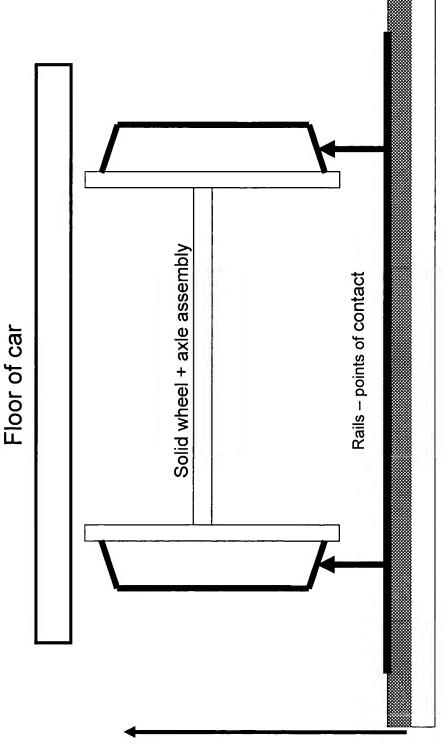


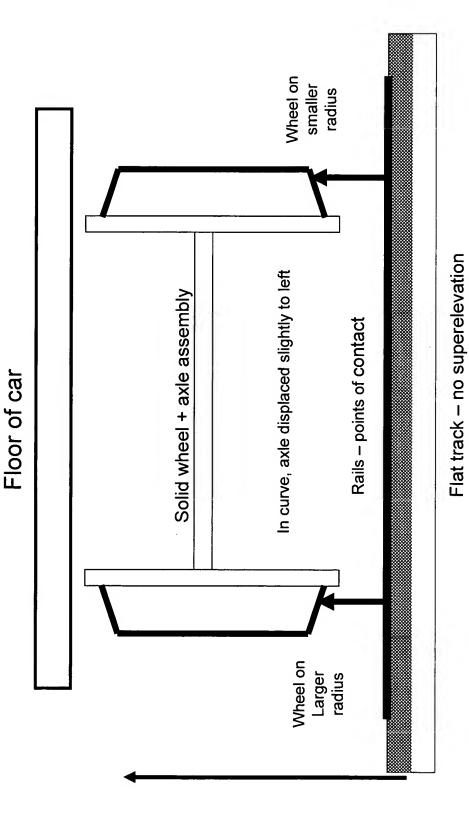
## Figure A - Function of tapered (coned) wheels



Flat track – no superelevation

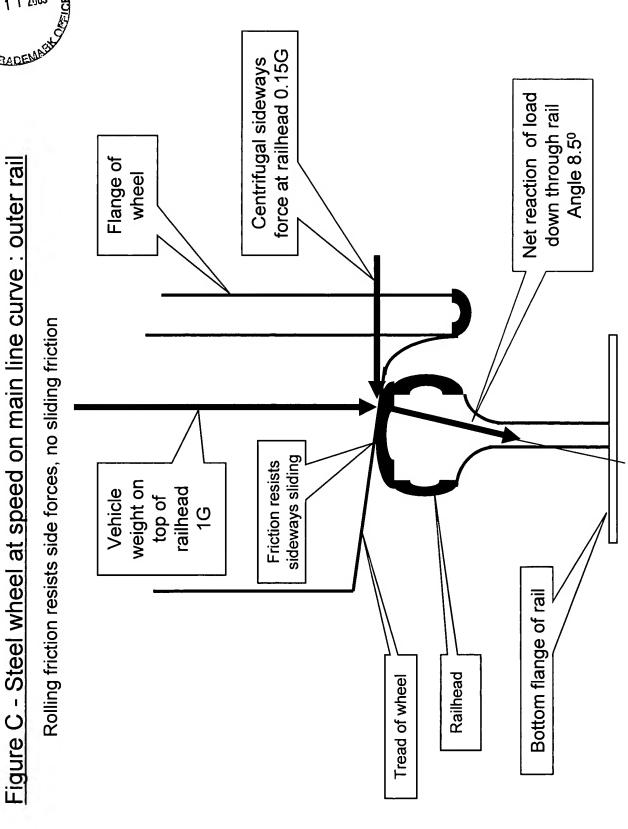
Tapered (coned) wheels are naturally self-centering while rolling down the track

Figure B - Function of tapered (coned) wheels: wheels on a curve of tapered (coned) wheels: w



Natural curving radius on inner rail = Gauge x diameter inner wheel / difference Natural curving: difference = diameter outer wheel minus diameter inner wheel









## Figure D - Steel wheel on sharp curve : outer rail

Sliding friction at flange and at tread (The cause of squealing wheels)

